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REPORT OF PROGRESS OF THE GEOLOGICAL AND NATURAL HISTORY SURVEY OF CANADA FOR 1882-'83-'84.—This bulky volume is filled largely with matter relating to explorations in Central and Northeastern British America, particularly the region around Hudson's bay. Among the more valuable reports are those by G. M. Dawson on the region in the vicinity of Bow and Belly rivers, Northeast Territory; by Dr. Robert Bell on part of the basin of the Athabasca river, Northwest Terr., and the report of his observations on the Labrador coast, Hudson's strait and bay; while Mr. Ells and A. P. Low give the results of their explorations of the Gaspé peninsula. The geology of portions of New Brunswick is described by Professor L. W. Bailey, while the surface-geology of Western New Brunswick, especially the St. John valley, is reported on by Mr. R. Chalmers. Northern Cape Breton has been explored by Hugh Fletcher. Other reports are of economic interest, while the maps issued with the report form a separate atlas.

WALCOTT'S PALÆONTOLOGY OF THE EUREKA DISTRICT.—This well-illustrated quarto volume forms Vol. VIII of the monographs of the U. S. Geological Survey, and though received in July, 1885, bears date 1884. Heretofore the descriptions of Meek and others of Palæozoic fossils from the far West were based on small collections hastily gathered from more or less widely separated localities by Government exploring parties and field geologists. "We now possess," it is claimed in the letter of Mr. Hague transmitting the present work to the director of the survey, "the results of a careful survey of a district with a rich fauna, through 30,000 feet of Palæozoic strata, representing the Cambrian, Silurian, Devonian and Carboniferous rocks." By means of these fossils Mr. Walcott has endeavored to illustrate the stratigraphic succession and equivalency of the geological horizon in Central Nevada with those described elsewhere.

CURTIS' SILVER-LEAD DEPOSITS OF EUREKA, NEVADA.—This volume forms the seventh of the monographs of the U. S. Geological Survey. It is illustrated by sixteen plates of sections, etc., of the Ruby Hill mines, and the work appears to have been carefully prepared. The summary at the close of the volume, of results, will render the report accessible to miners and experts.

RECENT BOOKS AND PAMPHLETS.

Morris, C.—The primary conditions of fossilization. Ext. Proc. Nat. Sci. Phil., 1885. From the author.

Lesquereux, L.—The Cretaceous and Tertiary floras. U. S. Geol. Surv. of the Territories, Vol. VIII, 1883. From the author.

Smith, E. A.—Report on the cotton production of the State of Alabama. Dept. of the Interior, 1884. From the author.

Nehring, ——Ueber die Schädelform und dass Gebiss des *Canis jubatus* Desm., in Sitz. den Gesell. natur Freunde zu Berlin, 1885, p. 109. From the author.